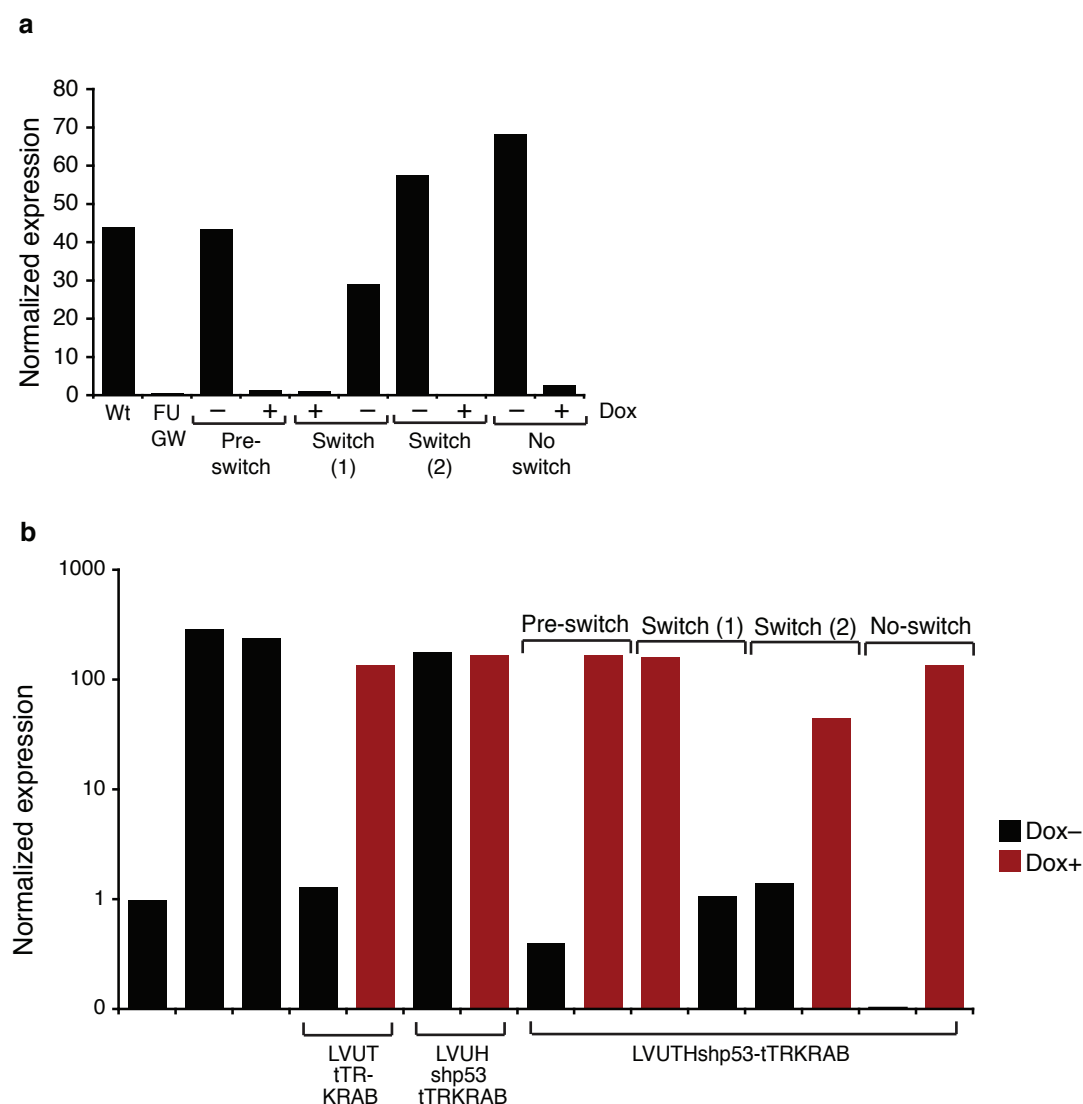


Supplementary Figure 3



Quantification of conditional cycling of p53 knockdown and GFP expression in vitro (see also Fig. 4c).

MCF7 human breast cancer cells were transduced with the lentiviral vectors at MOI 10 and cultured in the presence of dox for 5 days. Next, the GFP+ cells were sorted, cultured in the presence or absence of dox for 7 days (pre-switch) and subjected to 2 subsequent switches every 7 days (switch (1), switch (2)). Non-switched cells (no switch) were cultured in unchanged conditions for 14 days.

(a) p53 protein quantification in transduced MCF-7 subjected to dox cycling.

(b) RT-QPCR quantification of the conditional and reversible regulation of GFP expression in vitro. Relative amount of mRNA was measured in cells transduced with the lentiviral vectors and subjected to dox cycling using sets of probe and primers for lentiviral transcript (WPRE). The values of GFP mRNA in “Wt” group were subtracted from all samples.